8.2 vivi configuration and compilation

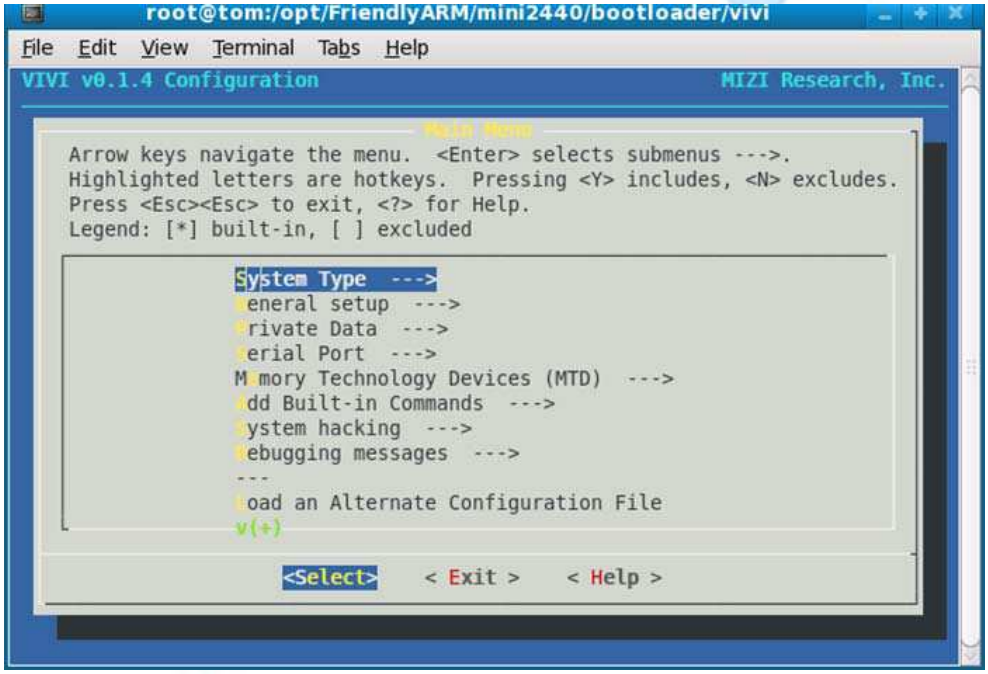
Note: The development board for all Linux software source code use the unified compiler arm-linux-gcc-4.3.2, its installation and setup, see Chapter 5; vivi this section only for 64M NAND Flash version of the mini2440/micro2440.

In the chapter 5, we have installed a vivi extract the source code, which is located /opt/FriendlyARM/mini2440/bootloader/vivi directory.

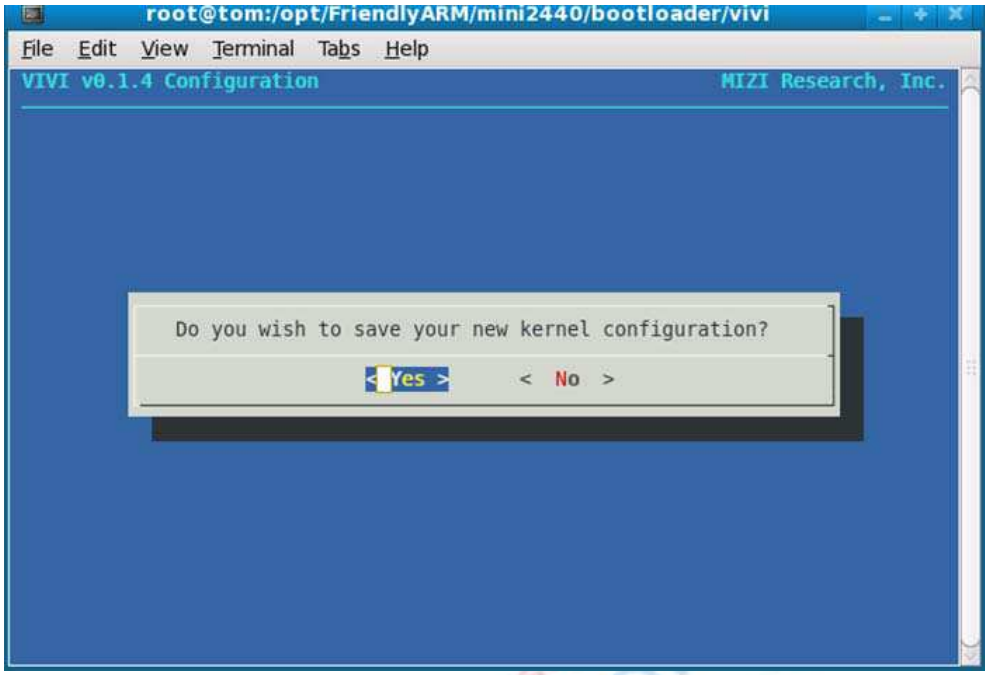
Enter the directory, run the following command:

```
      #cd /opt/FriendlyARM/mini2440/bootloader/vivi
      #cp fa.config .config
;using the default configuration files provided by FriendlyARM
      #make menuconfig
```

The following interface:



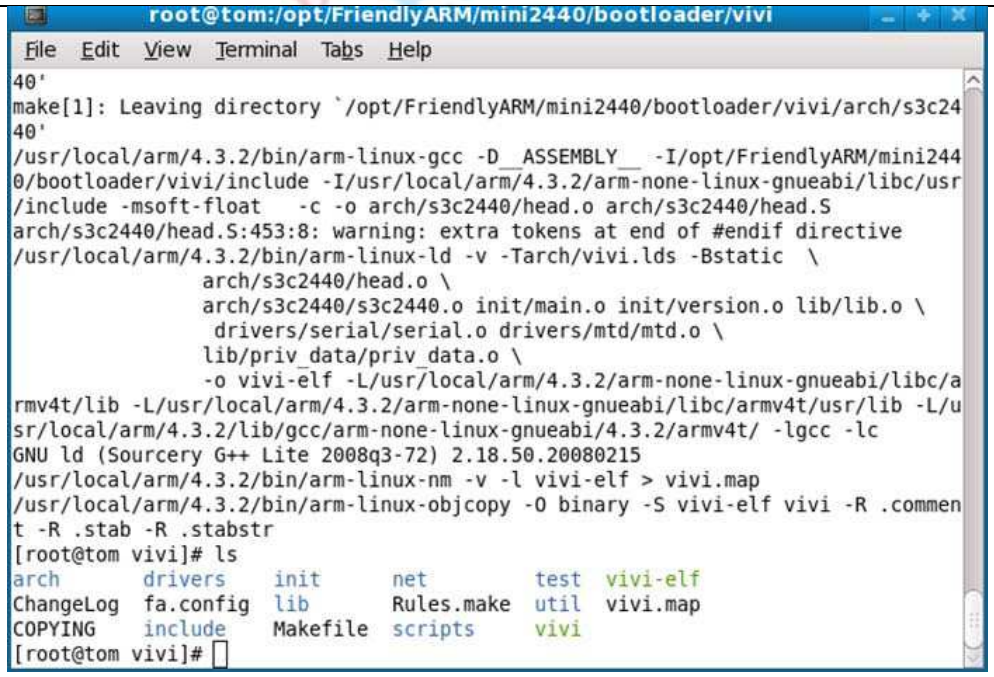
Do not need to change any configuration, according to the left and right arrow keys to select <Exit>, as shown:


root@tom:/opt/FriendlyARM/mini2440/bootloader/vivi
File Edit View Terminal Tabs Help
VIVI v0.1.4 Configuration
MIZI Research, Inc.
Do you wish to save your new kernel configuration?
< Yes >
< No >

Select <Yes>, press enter to exit, do so in accordance with the default configuration is to automatically generate header files.

Then run "make" to compile, execute the following results:

```
#make
```


root@tom:/opt/FriendlyARM/mini2440/bootloader/vivi
File Edit View Terminal Tabs Help
40'
make[1]: Leaving directory `/opt/FriendlyARM/mini2440/bootloader/vivi/arch/s3c24
40'
/usr/local/arm/4.3.2/bin/arm-linux-gcc -D__ASSEMBLY__ -I/opt/FriendlyARM/mini244
0/bootloader/vivi/include -I/usr/local/arm/4.3.2/arm-none-linux-gnueabi/libc/usr
/include -msoft-float -c -o arch/s3c2440/head.o arch/s3c2440/head.S
arch/s3c2440/head.S:453:8: warning: extra tokens at end of #endif directive
/usr/local/arm/4.3.2/bin/arm-linux-ld -v -Tarch/vivi.lds -Bstatic \
arch/s3c2440/head.o \
arch/s3c2440/s3c2440.o init/main.o init/version.o lib/lib.o \
drivers/serial/serial.o drivers/mtd/mtd.o \
lib/priv_data/priv_data.o \
-o vivi-elf -L/usr/local/arm/4.3.2/arm-none-linux-gnueabi/libc/a
rmv4t/lib -L/usr/local/arm/4.3.2/arm-none-linux-gnueabi/libc/armv4t/usr/lib -L/u
sr/local/arm/4.3.2/lib/gcc/arm-none-linux-gnueabi/4.3.2/armv4t/ -lgcc -lc
GNU ld (Sourcery G++ Lite 2008q3-72) 2.18.50.20080215
/usr/local/arm/4.3.2/bin/arm-linux-nm -v -l vivi-elf > vivi.map
/usr/local/arm/4.3.2/bin/arm-linux-objcopy -O binary -S vivi-elf vivi -R .commen
t -R .stab -R .stabstr
[root@tom vivi]# ls
arch drivers init net test vivi-elf
ChangeLog fa.config lib Rules.make util vivi.map
COPYING include Makefile scripts vivi
[root@tom vivi]#

In the current directory this time has become vivi, you can refer to the previous section download vivi into the target board NAND Flash.